



9/27-01

DOCKET NO.: 19603/3355 (CRF D-1595E)
EXPRESS MAIL NO.: EL710758046US
A/box/sep

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

UTILITY PATENT APPLICATION TRANSMITTAL FORM
(only for new nonprovisional applications under 37 CFR 1.53(b))JC985 U.S. PRO
09/963698 09/26/01
ASSISTANT COMMISSIONER FOR PATENTS
Washington, D.C. 20231

BOX: PATENT APPLICATION

SIR:

Transmitted herewith for filing is the patent application (including Specification, Claims, and Abstract, 90 pages) of:

Inventor(s): **Francis Barany, George Barany, Robert P. Hammer, Maria Kempe, Herman Blok, Monib Zirvi**

For : **DETECTION OF NUCLEIC ACID SEQUENCE DIFFERENCES USING THE LIGASE DETECTION REACTION WITH ADDRESSABLE ARRAYS**

***If a CONTINUING APPLICATION, please mark where appropriate and supply the requisite information below and in a preliminary amendment:*

[] Continuation [X] Divisional [] Continuation-In-Part (CIP)
of prior application Serial No. 08/794,851

Prior application information: Examiner : **P. Ponnaluri**
Art Unit : 1627

Enclosed are:

- [X] 34 sheets of formal drawings with submission document.
- [] Signed Combined Declaration and Power of Attorney (____ pages).
- [X] Copy of signed Combined Declaration and Power of Attorney (8 pages) from a prior application (1.63(d) (for continuation/divisional).
- [] Signed statement deleting inventor(s) named in prior application (____ pages) (1.63(d)(2) and 1.33(b)).
- [X] **Incorporation By Reference:** The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied herewith, is considered as being part of the disclosure of the enclosed application and is hereby incorporated by reference therein.
- [] Assignment (____ pages) of the invention to _____.
- [] Assignment Transmittal Letter.
- [] Certified copy of a foreign priority document.
- [] Associate power of attorney.
- [] Applicant claims small entity status. (See 37 CFR 1.27.)

[X] Preliminary Amendment (5 pages) with Appendix A (4 pages).

[X] Information Disclosure Statement, form PTO-1449 (8 pages) and 84 references (references not attached).

[] **UNSIGNED** Combined Declaration and Power of Attorney (____ pages).

[X] Paper copy of Sequence Listing (5 pages).

[X] Statement in Accordance with 37 CFR § 1.821(f) and computer readable 3.5" Diskette.

[X] A self-addressed, prepaid postcard acknowledging receipt.

[] Other:

The Filing fee has been calculated as shown below:

(Col. 1)	(Col. 2)	
FOR:	NO. FILED	NO. EXTRA
BASIC FEE	XXXXXXX	XXXXXXX
TOTAL CLAIMS	31 - 20 =	11
INDEP CLAIMS	1 - 3 =	0
[] MULTIPLE DEPENDENT CLAIM PRESENTED		

*If the Total Claims are less than 20 and Indep. Claims are less than 3, enter "0" in Col. 2

SMALL ENTITY	LARGE ENTITY		
RATE	FEE	RATE	FEE
XXXX	\$355	XXXX	\$710
x 9 =	\$	x 18 =	\$198
x 40 =	\$	X80 =	\$
x135 =	\$	x270 =	\$
TOTAL	\$	TOTAL	\$908

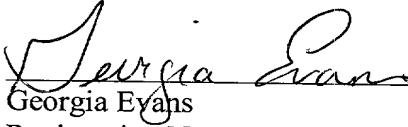
[X] A check in the amount of **\$908.00** to cover the filing fee is enclosed.

[X] The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 14-1138. **A duplicate copy of this sheet is enclosed.**

[X] Address all future communications to:

Michael L. Goldman
NIXON PEABODY LLP
Clinton Square, P.O. Box 31051
Rochester, New York 14603

Date: September 26, 2001


Georgia Evans
Registration No. 44,597

NIXON PEABODY LLP
Clinton Square, P.O. Box 31051
Rochester, New York 14603
Telephone: (716) 263-1672
Facsimile: (716) 263-1600

EXPRESS MAIL CERTIFICATE

DOCKET NO.: **19603/3355 (CRF D-1595E)**

APPLICANTS: **Francis Barany, George Barany, Robert P. Hammer,
Maria Kempe, Herman Blok, and Monib Zirvi**

TITLE: **DETECTION OF NUCLEIC ACID SEQUENCE
DIFFERENCES USING THE LIGASE DETECTION
REACTION WITH ADDRESSABLE ARRAYS**

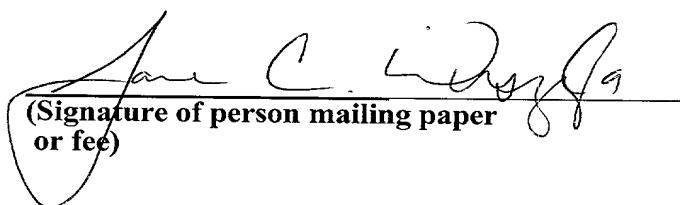
Certificate is attached to the **Patent Application including specification, claims,
and abstract (90 pages)**, as filed in the prior application of the above-named application.

EXPRESS MAIL NUMBER: **EL710758046US**

DATE OF DEPOSIT: **September 26, 2001**

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Commissioner for Patents, Washington, D.C. 20231, Box: Patent Application.

Jane C. Wirszyla
(Typed or printed name of person
mailing paper or fee)


(Signature of person mailing paper
or fee)

EXPRESS MAIL CERTIFICATE

DOCKET NO.: **19603/3355 (CRF D-1595E)**

APPLICANTS: **Francis Barany, George Barany, Robert P. Hammer,
Maria Kempe, Herman Blok, and Monib Zirvi**

TITLE: **DETECTION OF NUCLEIC ACID SEQUENCE
DIFFERENCES USING THE LIGASE DETECTION
REACTION WITH ADDRESSABLE ARRAYS**

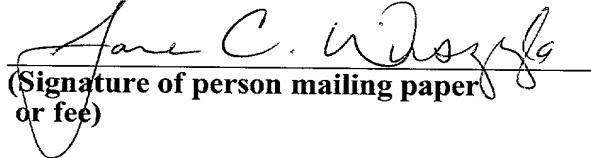
Certificate is attached to the **Preliminary Amendment (5 pages) with Appendix A (4 pages)** of the above-named application.

EXPRESS MAIL NUMBER: **EL710758046US**

DATE OF DEPOSIT: **September 26, 2001**

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Commissioner for Patents, Washington, D.C. 20231, Box: Patent Application.

Jane C. Wirszyla
**(Typed or printed name of person
mailing paper or fee)**


**(Signature of person mailing paper
or fee)**

EXPRESS MAIL CERTIFICATE

DOCKET NO.: **19603/3355 (CRF D-1595E)**

APPLICANTS: **Francis Barany, George Barany, Robert P. Hammer,
Maria Kempe, Herman Blok, and Monib Zirvi**

TITLE: **DETECTION OF NUCLEIC ACID SEQUENCE
DIFFERENCES USING THE LIGASE DETECTION
REACTION WITH ADDRESSABLE ARRAYS**

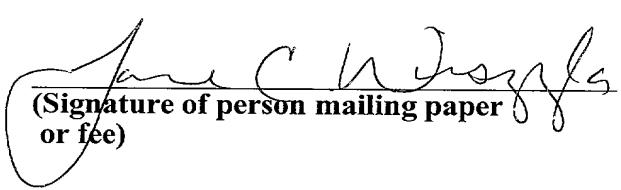
Certificate is attached to the **Utility Patent Application Transmittal Letter**
(2 pages) of the above-named application.

EXPRESS MAIL NUMBER: **EL710758046US**

DATE OF DEPOSIT: **September 26, 2001**

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Commissioner for Patents, Washington, D.C. 20231, Box: Patent Application.

Jane C. Wirszyla
(Typed or printed name of person
mailing paper or fee)


(Signature of person mailing paper
or fee)

PATENT
Docket No.: 19603/3355 (CRF D-1595E)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) : Barany et al.)	Examiner:
)	To Be Assigned
Serial No. : To Be Assigned)	
)	
Cnfrm. No. : To Be Assigned)	Art Unit:
)	To Be Assigned
Filed : Herewith)	
)	
For : DETECTION OF NUCLEIC ACID SEQUENCE)	
DIFFERENCES USING THE LIGASE)	
DETECTION REACTION WITH)	
ADDRESSABLE ARRAYS)	
)	

STATEMENT IN ACCORDANCE WITH 37 CFR § 1.821(f)

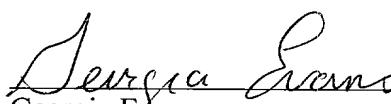
Commissioner for Patents
Washington, D.C. 20231
Box: Patent Application

Sir:

In accordance with 37 CFR § 1.821(f), this statement confirms that the contents of the Sequence Listing attached to the subject application as submitted herewith and on the computer readable 3.5" Diskette submitted herewith are the same.

Respectfully submitted,

Date: September 26, 2001


Georgia Evans
Registration No. 44,597

NIXON PEABODY LLP
Clinton Square, P.O. Box 31051
Rochester, New York 14603
Telephone: (716) 263-1672
Facsimile: (716) 263-1600

EXPRESS MAIL CERTIFICATE

DOCKET NO.: **19603/3355 (CRF D-1595E)**

APPLICANTS: **Francis Barany, George Barany, Robert P. Hammer,
Maria Kempe, Herman Blok, and Monib Zirvi**

TITLE: **DETECTION OF NUCLEIC ACID SEQUENCE
DIFFERENCES USING THE LIGASE DETECTION
REACTION WITH ADDRESSABLE ARRAYS**

Certificate is attached to the **Statement in Accordance with 37 CFR § 1.821(f)**
(1 page), paper copy of Sequence Listing (5 pages), and computer readable 3.5" Diskette
of the above-named application.

EXPRESS MAIL NUMBER: **EL710758046US**

DATE OF DEPOSIT: **September 26, 2001**

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Commissioner for Patents, Washington, D.C. 20231, Box: Patent Application.

Jane C. Wirszyla
**(Typed or printed name of person
mailing paper or fee)**


**(Signature of person mailing paper
or fee)**

PATENT
Docket No.: 19603/3355 (CRF D-1595E)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) :	Barany et al.)	Examiner:
)	To Be Assigned
Serial No. :	To Be Assigned)	
)	Art Unit:
Cnfrm. No. :	To Be Assigned)	To Be Assigned
)	
Filed :	Herewith)	
)	
For :	DETECTION OF NUCLEIC ACID SEQUENCE)	
	DIFFERENCES USING THE LIGASE)	
	DETECTION REACTION WITH)	
	ADDRESSABLE ARRAYS)	
)	

SUBMISSION OF FORMAL DRAWINGS

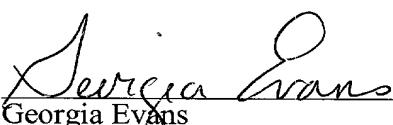
Commissioner for Patents
Washington, D.C. 20231
Box: Patent Application

Dear Sir:

Enclosed for filing in the subject application are 34 sheets of formal drawings.

Respectfully submitted,

Date: September 26, 2001


Georgia Evans
Registration No. 44,597

NIXON PEABODY LLP
Clinton Square, P.O. Box 31051
Rochester, New York 14603
Telephone: (716) 263-1672
Facsimile: (716) 263-1600

EXPRESS MAIL CERTIFICATE

DOCKET NO.: **19603/3355 (CRF D-1595E)**

APPLICANTS: **Francis Barany, George Barany, Robert P. Hammer,
Maria Kempe, Herman Blok, and Monib Zirvi**

TITLE: **DETECTION OF NUCLEIC ACID SEQUENCE
DIFFERENCES USING THE LIGASE DETECTION
REACTION WITH ADDRESSABLE ARRAYS**

Certificate is attached to the **Submission of Formal Drawings with 34 sheets of drawings** of the above-named application.

EXPRESS MAIL NUMBER: **EL710758046US**

DATE OF DEPOSIT: **September 26, 2001**

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Commissioner for Patents, Washington, D.C. 20231, Box: Patent Application.

Jane C. Wirszyla
**(Typed or printed name of person
mailing paper or fee)**


**(Signature of person mailing paper
or fee)**

EXPRESS MAIL CERTIFICATE

DOCKET NO.: **19603/3355 (CRF D-1595E)**

APPLICANTS: **Francis Barany, George Barany, Robert P. Hammer,
Maria Kempe, Herman Blok, and Monib Zirvi**

TITLE: **DETECTION OF NUCLEIC ACID SEQUENCE
DIFFERENCES USING THE LIGASE DETECTION
REACTION WITH ADDRESSABLE ARRAYS**

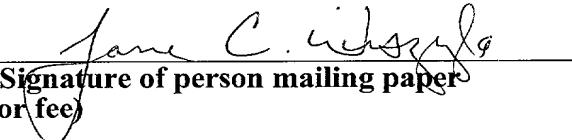
Certificate is attached to the copy of the **SIGNED Combined Declaration and Power of Attorney Form (8 pages)** as filed in the prior application of the above-named application.

EXPRESS MAIL NUMBER: **EL710758046US**

DATE OF DEPOSIT: **September 26, 2001**

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Commissioner for Patents, Washington, D.C. 20231, Box: Patent Application.

Jane C. Wirszyla
(Typed or printed name of person
mailing paper or fee)


Jane C. Wirszyla
(Signature of person mailing paper
or fee)